APPENDIX A

REFERENCES

REQUIRED PUBLICATIONS

Government Publications

Department of the Army:

CJCSI 6510.01D
Information Assurance (IA) and Computer Network Defense (CND) dated 15 June 2004 [cited in paragraphs 7-3a and 9-7].

MIL-HDBK-419A
Grounding, Bonding, and Shielding for Electronic Equipment and Facilities [cited in paragraph 7-2c]

TM 5-690
Grounding and Bonding in Command, Control, Communication, Computer, Intelligence Surveillance and Reconnaissance (C4ISR) Facilities [cited in paragraph 7-2c(1)]

TM 5-692-1
Maintenance of Mechanical and Electrical Equipment at Command, Control, Communications, Intelligence, Surveillance and Reconnaissance (C4 ISR) Facilities – Recommended Maintenance Practices [cited in paragraph 9-2c]

TM 5-693
Uninterruptible Power Supply System Selection, Installation, and Maintenance for Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) Facilities [cited in paragraph 5-6e]

TM 5-698-1
Reliability/Availability of Electrical & Mechanical Systems for Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) Facilities [cited in paragraph 9-4]

TM 5-698-2
Reliability Centered Maintenance for Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) Facilities [cited in paragraph 9-4]

TM 5-858-5
Designing Facilities to Resist Nuclear Weapons Effects: Air Entrainment, Fasteners, Penetration Protection, Hydraulic Surge Protection Devices, and EMP Protective Devices [cited in paragraph 7-2d4]

Non-Government Publications

American National Standards Institute
1819 L Street, NW
Washington, DC 20036

ANSI C37.90.1
Guide for Surge Withstand Capability Tests [cited in paragraph 7-2e]

ANSI C37.90.2
Withstand Capability of Relay Systems to Radiated Electro-Magnetic Interference from Transceivers [cited in paragraph 7-2e]

ANSI C37.90.3
Electrostatic Discharge tests for Protective Relays [cited in paragraph 7-2e]

ANSI C62.34
Standard for Performance of Low Voltage Surge Protective Devices (Secondary Arrestors) [cited in paragraph 7-2a(1)]

ANSI Y14.15
Electrical and Electronic Diagrams [cited in paragraph 10-9]

International Electrotechnical Commission

IEC/EN 60529
Degrees of Protection Provided by Enclosures (IP Code) [cited in paragraph 7-1c]

IEC 61508
Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems [cited in paragraph 3-8]

Institute of Electrical and Electronic Engineers
445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331

IEEE 242
Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems [cited in paragraph 5-6f]

IEEE 493
Recommended Practice for Design of Reliable Industrial and Commercial Power Systems [cited in paragraph 5-4b]

IEEE 1100
IEEE Recommended Practice for Powering and Grounding Sensitive Electronic Equipment [cited in paragraph 7-2a(1)]

IEEE 1613
Environmental and Testing Requirements for Communications Networking Devices in Electric Power Substations [cited in paragraph 7-2e]

Instrumentation, Systems, and Automation Society
67 Alexander Drive, Research Triangle Park, NC 27709

ISA RP7.1
Pneumatic Control Circuit Pressure Test [cited in paragraph 8-3]

ISA S5.1
Instrumentation Symbols and Identification [cited in paragraphs 10-2, 10-3, and 10-9]

ISA S5.2
Binary Logic Diagrams for Process Controls [cited in paragraphs 10-8 and 10-9]

ISA S5.3
Graphic Symbols for Distributed Control/Shared Display Instrumentation, Logic and Computer Systems [cited in paragraphs 10-3, 10-8 and 10-9]

ISA S5.4
Instrument Loop Diagrams [cited in paragraphs 10-7 and 10-9]

ISA S20
Form Templates [cited in paragraph 10-5]

National Electrical Manufacturers Association
1300 North 17th Street, Suite1847, Rosslyn, VA 22209

NEMA 250
Enclosures for Electrical Equipment (1000 Volts Maximum) [cited in paragraph 7-1c]

National Fire Protection Association
One Batterymarch Park, PO Box 9101, Quincy, MA 02269-9101

NFPA 70B
Recommended Practice for Electrical Equipment Maintenance [cited in paragraph 9-2c]

RELATED PUBLICATIONS

Government Publications

Department of the Army:

TM 5-691
Utility Systems Design Requirements for Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) Facilities

TM 5-694
Commissioning of Electrical Systems for Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) Facilities

TM 5-697 Commissioning of Mechanical Systems for Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) Facilities

TM 5-698-3
Reliability Primer for Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) Facilities

TM 5-858-7
Designing Facilities to Resist Nuclear Weapon Effects - Facility Support Systems

Non-Government Publications

Institute of Electrical and Electronic Engineers
445 Hoes Lane, PO Box 1331, Piscataway, NJ 08855-1331

IEEE 485
IEEE Recommended Practice for Sizing Load-Acid Batteries for Stationary Applications (1997)

Instrumentation, Systems, and Automation Society
67 Alexander Drive, Research Triangle Park, NC 27709

ISA S5.5
Graphic Symbols for Process Displays

ISA S51.1
Process Instrumentation Terminology

ISA S7.0.01
Quality Standard for Instrument Air

ISA 84.01
Application of Safety Instrumented Systems for the Process Industries

Reliability Analysis Center
201 Mill Street, Rome, NY 13440-6916

NPRD 95
Non Electronic Parts Reliability Data

"Design and Implementation of a UCA-based Substation Control System" by Mark Adamiak, Ashish Kulshretha, presented at MYPSYCON 2003, November 6, 2003, Minneapolis, Minnesota

"Whats Your Color? – Human Influence in Screen Design", by S. Hall, K. Cockerham and D. Rhodes, IEEE Industry Applications Magazine, March/April 2002.